



June 18, 2013

PND 052038.10

Marlene Duvall, City Administrator  
City of Hoonah  
P.O. Box 360  
Hoonah, Alaska 99829-0360

Re: Hoonah Marine Industrial Center – Phase 3  
Substantial Completion Inspection

Dear Mrs. Duvall:

PND and Haight & Associates conducted a substantial completion inspection on June 17, 2013. The Contractor completed the electrical pedestals last week and other work items which prompted the inspection. Enclosed please find the civil and electrical punch lists that are also being transmitted to the Contractor. The architectural and mechanical consultants were unavailable at the time but shall conduct their inspections at a later date.

PND understands that the wash down pad snowmelt system became functional and all electrical outlets were available for the City's use on April 28, 2013. We believe this date establishes the substantial completion date.

We also recommend that the City install the safety fencing at the existing concrete backwall. PND transmitted the attached drawing to the City on September 28, 2012. We understand that it's not installed yet but will be soon.

Feel free to call me at any time if you have any questions.

Sincerely,  
PND Engineers, Inc. | Juneau Office

A handwritten signature in blue ink, appearing to read 'Per Christian L. Rasmussen'.

Per Christian L. Rasmussen, Staff Engineer

Cc: Arlen Skaflestad, Harbormaster  
Ben Haight, P.E., Haight & Associates  
Doug Murray, P.E., Murray & Associates  
Wayne Jensen, JYL  
Chad McGraw, ASRC McGraw




Enclosures

	<p><b><u>Location:</u></b> Electrical Pedestals – 12 locations</p> <p><b><u>Description:</u></b> Finish placing and grading Base Course, Grading C-1 at each pedestal and remove debris.</p> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Near ferry Terminal</p> <p><b><u>Description:</u></b> Fix broken barbed wire fencing.</p> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Fence line along Gartina Highway</p> <p><b><u>Description:</u></b> Grade/re-grade 30' wide along fence line to drain and compact per PND's letter dated October 31, 2013.</p> <p><b><u>Complete By:</u></b> Final Completion</p>



	<p><b><u>Location:</u></b> Gate(s)</p> <p><b><u>Description:</u></b> Finish placement of base course and grading at the gates.</p> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Gate</p> <p><b><u>Description:</u></b> Re-grade base course berm on the inside of the fence near the gate. Grade to drain.</p> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Utility Enclosure – 2 locations</p> <p><b><u>Description:</u></b> Repair cracks at the utility enclosure man door and overhead door with Euco Qwikstich Fast Setting Urethane Crack and Spall Repair by The Euclid Chemical Company or equal.</p> <p><b><u>Complete By:</u></b> Final Completion</p>



	<p><b><u>Location:</u></b> Grit Chamber – Wash Water</p> <p><b><u>Description:</u></b></p> <ol style="list-style-type: none"><li>1. Seal/waterproof the heat trace line conduit entering into the wash down pad grit chamber.</li><li>2. Paint 6” high “WASH” in yellow letters per sheet C3.02.</li></ol> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Grit Chamber – Storm Water</p> <p><b><u>Description:</u></b></p> <ol style="list-style-type: none"><li>1. Seal/waterproof the heat trace line conduit entering into the wash down pad grit chamber.</li><li>2. Paint 6” high “STORM” in yellow letters per sheet C3.02.</li></ol> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Wash Down Pad</p> <p><b><u>Description:</u></b> Repair/fill in voids at the wash down pad penetration shown with Euco Qwikstich Fast Setting Urethane Crack and Spall Repair by The Euclid Chemical Company or equal.</p> <p><b><u>Complete By:</u></b> Final Completion</p>



	<p><b><u>Location:</u></b> Adjacent to utility enclosure building</p> <p><b><u>Description:</u></b> Remove and dispose of debris including contractor QC concrete cylinders shown.</p> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Adjacent to utility enclosure building</p> <p><b><u>Description:</u></b> Remove and dispose of defective electrical pedestals.</p> <p><b><u>Complete By:</u></b> Final Completion</p>
	<p><b><u>Location:</u></b> Utility enclosure building and site.</p> <p><b><u>Description:</u></b></p> <ol style="list-style-type: none"><li>1. Complete architectural, electrical and mechanical punch list items.</li><li>2. Example Photo: Snow shields incomplete installation and staged in utility building office, see Sheet M401, etc.</li></ol> <p><b><u>Complete By:</u></b> Final Completion</p>



CONSULTING  
ELECTRICAL  
ENGINEERS

## MEMORANDUM

To: Per Rasmussen

Date: June 17, 2013

From: Kyle Drapeaux

H&A Job#: 137-72

Regarding: Hoonah Industrial Marine Facility Inspection

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With the completion of our site visit and inspection today, we found the following items that need to be addressed:

- Labels for circuit breakers in main switchboard.
- Main switchboard internal heater must be operational.
- Complete gravel filling around pedestal bases.
- Provide skirts to enclose pedestal base plates.
- Provide panel directory for panels A and AE.
- Provide labels for panels A and AE.
- Tidy wiring bundles inside panel A.
- Set timer for lighting controls.
- Circuit breaker for heat trace circuit must be GFI,
- Provide receptacle test record.
- Provide terminal covers for generator battery.
- Confirm that the correct ratings of overload relays for pumps and boilers are correct.
- Provide labels for boiler and pump switches/starters.
- Ensure functionality of bathroom exhaust fan.
- Provide HOA switch for exterior lighting of building.
- Correct the color coding for conductor phases inside ATS.
- Normal under voltage dropout must be set at 85% for ATS.
- Program normal under frequency settings to be PU:99%, DO:95%.
- Program normal over frequency settings to be PU:101%, DO:105%.
- Program emergency under voltage settings to be PU:90%, DO:85%.
- Program emergency over voltage settings to be PU:100%, DO:110%.
- Provide generator exhaust silencer and pipe insulation.
- Clean-up all debris and excess hardware.
- Provide As-built shop drawings for the Musco lighting controls.
- Provide as-built drawings & O&M Manuals for the project.

526 Main Street  
Juneau, Alaska  
99801

Telephone  
(907) 586-9788  
Fax  
(907) 586-5774



## Per Rasmussen

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**From:** Per Rasmussen  
**Sent:** Thursday, March 21, 2013 2:26 PM  
**To:** 'Marlene Duvall'  
**Subject:** FW: HMIC Fence at the Backwall  
**Attachments:** FENCE LAYOUT (1).pdf

Marlene,

As a reminder please find attached the fence for the backwall at the HMIC for your use. This drawing can be sent to a fabricator and the City could install this themselves as we previously discussed. Thanks,

Per'Christian L. Rasmussen | Staff Engineer  
**P|N|D Engineers, Inc.**

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**From:** Per Rasmussen  
**Sent:** Friday, September 28, 2012 3:40 PM  
**To:** Marlene Duvall  
**Subject:** HMIC Fence at the Backwall

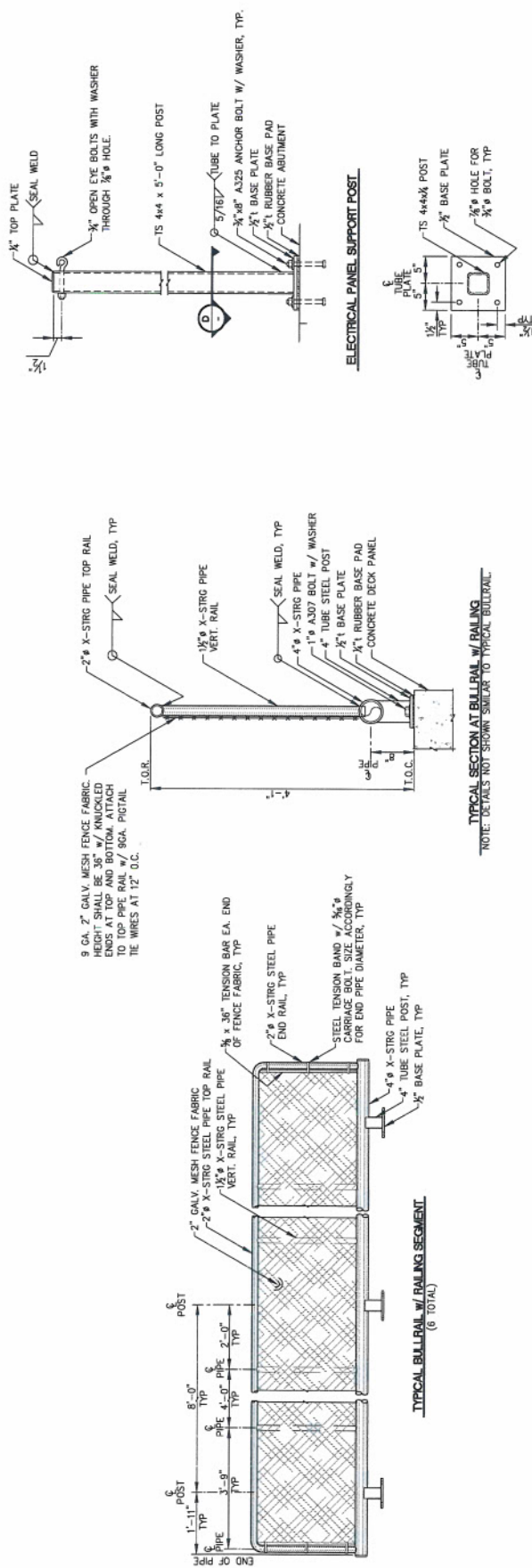
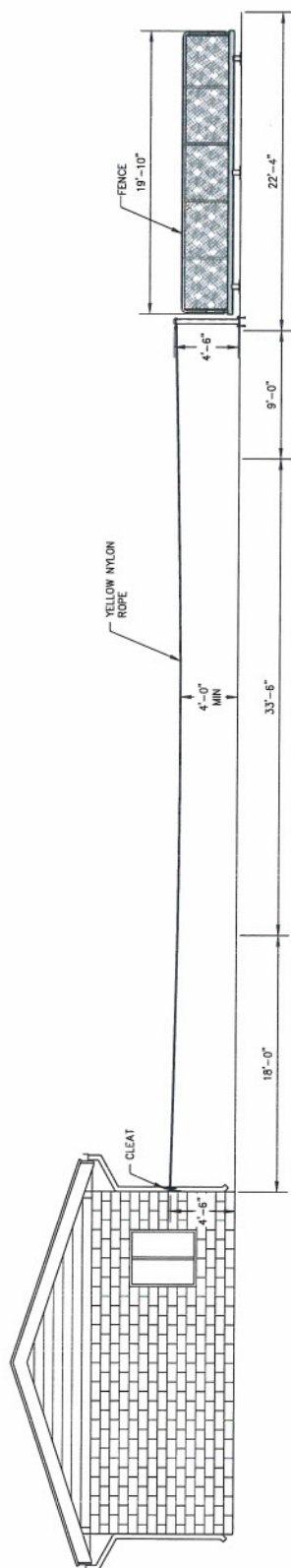
Marlene,

Attached please find the fence layout for the HMIC Backwall for your review. Thanks,

Per'Christian L. Rasmussen | Staff Engineer  
**P|N|D Engineers, Inc.**

9360 Glacier Highway, Suite 100 Juneau, AK 99801  
p. 907.586.2093 f. 907.586.2099 c. 907.321.1663  
[prasmussen@pndengineers.com](mailto:prasmussen@pndengineers.com) | [www.pndengineers.com](http://www.pndengineers.com)

**If you are not the intended recipient notify the sender immediately and delete this e-mail from your system**



**TYPICAL SECTION AT BULL RAIL W/ RAILING**  
NOTE: DETAILS NOT SHOWN SIMILAR TO TYPICAL BULL RAIL.

[illegible]

WZOWER

PREVIOUS	DESCRIPTION
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REV.	DATE



99360 Glacier Highway Ste 100  
Juneau, Alaska 99801  
Phone: 907-586-2093  
Fax: 907-586-2099  
[www.pac-and.com](http://www.pac-and.com)

SCALE.

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April 28, 2013

